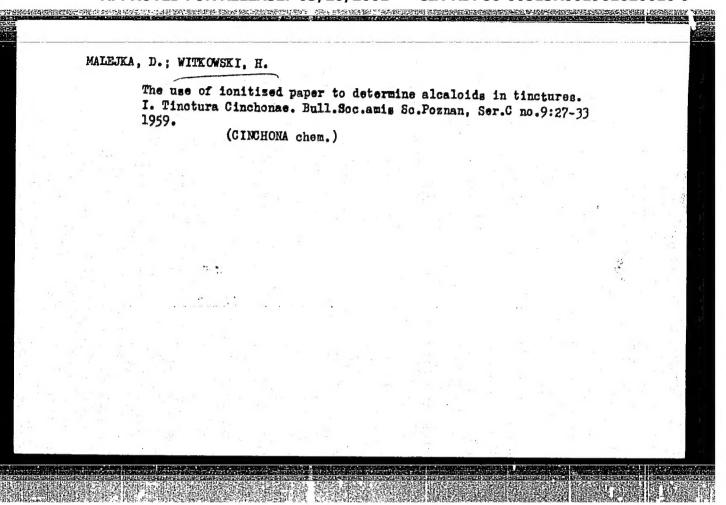
WITHOWSKI, H.; LEWANDOWSKI, A.

Cationite paper. III. Quantitative determination of alkaloids in yellow lupine. p. 321.

CHEATA ANALITYCZNA. (Komisja Analitycana Polskie Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa. Poland. Vol. 4, No. 2, 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959 Uncla.



LEWANDOWSKI, Anzelm; WITKOWSKI, Henryk

Use of cationite paper for estimations of atropin in plant material. Mat chemia 4:3-10 61.

1. Universytet im. Adama Mickiewicza w Poznaniu, Katedra Chemii Ogolnej.

LEWANDOWSKI, Anzelm; WITKOWSKI, Henryk

The use of cationite paper for the determination of atropine in plants. Mat chemia 4:3-10 '61.

1. Katedra Chemii Ogolnej, Poznan.

WITKOWSKI, I.; BALSKI, Z.

Elaboration of the foundations for the automation and regulation of sizing machines. Biuletyn Wlok. p. 1.

PRZEGLAD WLOKIENNICZY. (Stowarzyszenie Inzynierow i Technikow Przemyslu Wlokienniczego) Lodz, Poland. Vol. 12, no. 1, Jan. 1958.

Monthly List of East European Accessions (EMAI) LC. Vol. 8, no. 7, July 1959.

Uncl.

BATSYA, Kazimir [Bacia, K.]; VITKOVSKIY, Bronislav [Witkowski, B.];
VITKOVSKIY, Frzhi [Witkowski, I.]; SHAKHNAROVICH, M.A. [translator];
BUGLAY, B.M., red.; AZAROVA, V.G., red.izd-va; LOBAHKOVA, R.Ye.,
tekhn.red.

[Manual for upholsterers] Rukovodstvo.dlia oboishchikov miagkoi mebeli. Moskva, Goslesbumizdat, 1961. 181 p. Abridged translation from the Polish. (MIRA 14:6) (Upholstery)

THE SOUTH BURGERS TO THE SECOND OF THE SECOND SECON

WITKCWSKI, J.

TECHNOLOGY

PERIODICAL: BUDOWNICTUC PRZEMYSLOWE. Vol 7, no. 7, July 1958

WITKOWSKI, J. Some organizational problems of a system of cost accounting for heavy building machinery. p. 19.

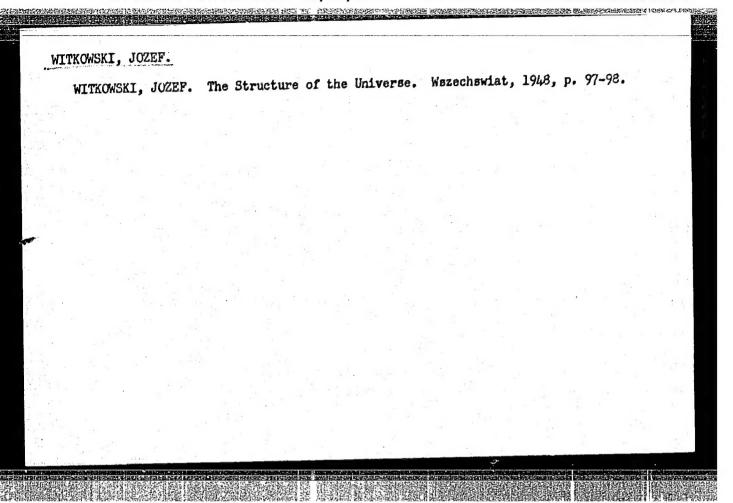
Monthly List of East European Accessions (EEAI) LC, Vol 8, no. 4. April 1959, Unclass

WITKOWSKI, Jerzy, mgr., inz.

Standardization in the furniture industry. Normalizacja 29 no.11/12: 535-536 61.

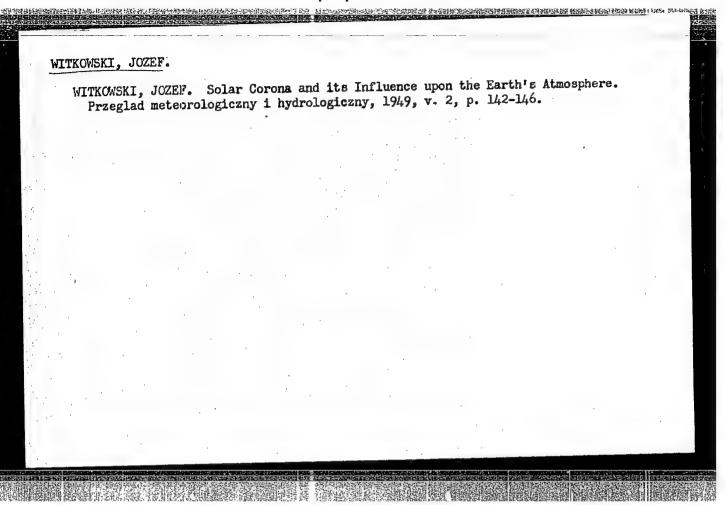
1. Kierownik Branzowego Centralnego Osrodka Normalizacji Zjednoczenia Przemyslu Meblarskiego.

(Poland-Furniture)

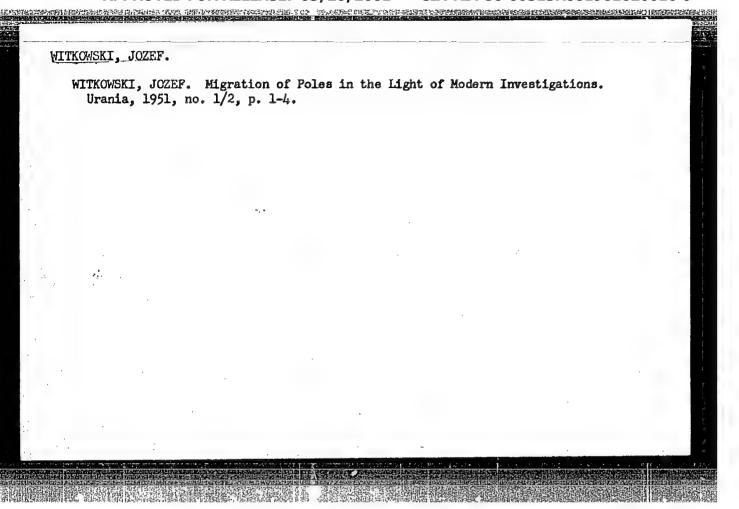


WITKOWSKI, JOZEF.

WITKOWSKI, JOZEF. On a Certain Phenomenon in Connection with Total Lunar Eclipses. Poznanskie Towarzystwo przyjaciol nauk. Bulletin. Serie B: Sciences mathematiques et naturelles, 1948, no. 9, p. 147-148.



WITKOWSKI, Jozef: "Korona loneczna i jej wpływ na atmosfere ziemska," (The solar corona and its influence on the earth's atmosphere), Frzeglad Meteorologiczny i Hydrologiczny, Warsaw No 1-4, 1949, p 15-19.



WITKOWSKI, JOZEF.

WITKOWSKI, JOZEF. Orpenheim's Phenomenon and its Bearing on the Origin of Comets. Poznanskie Towarzystwo przyjaciol nauk. Bulletin. Serie B: Sciences mathematiques et nautrelles, 1953, no. 12, p. 205-210.

WITKOWSKI. J.

"Copernicus' Reform". p. 70 E(Nauka Polska. Vol. 1, no. 4, Oct./Dec. 1953 Warszawa.)

Vol. 3, no. 6
SO: Monthly List of East European Accessions./Library of Congress, June 1954, Uncl.

3(7)

POL/26-59-1-1/20

AUTHOR:

Witkowski, Józef, Professor, Doctor

TITLE:

Latitude Station of the Polish Academy of Sciences at

Borowiec

PERIODICAL:

Acta geophysica polonica, 1959, Nr 1, pp 3-8 (Poland)

ABSTRACT:

The author describes the situation, the technical equipment and the activities of the newly built station. The geographical coordinates of the Latitude Station at Borowiec are -1608 18.545; + 52°16'38" and the elevation is 80 m above sea level. The station lies on the same parallel of latitude as the Station of Irkutsk. The station consists of the office building, a dwelling house, a farm building, two observing houses for zenith-telescopes and two others for transit-instruments, a 10 m deep underground room for clocks and horizontal pendulums. The observing houses are equipped with one Zeiss zenith-telescope of aperture 135 mm and focal length 1750 mm, and with one zenith-telescope built in the workshops of the Poznam University Observatory, aperture 110 mm and the focal length 2020 mm. In the other two observing houses

Card 1/3

Latitude Station of the Polish Academy of Sciences at Borowiec

are two modern Zeiss transist-instruments of 100 mm aperture and 1000 mm focal distance. The time service of the station is equipped with three crystal clocks and one pendulum clock of the Shortt type delivered by the Synchronome Co Ltd, London. The crystal clocks were designed by the consulting electrical engineer of the Station Mr. S. Cierniewski. The two horizontal pendulums are double pendulums of the Lettau type and were also designed in the workshops of the Foznan Observatory. The gravity variations are registered with an Askania GS-11 gravity meter. The station takes part in the activities of IGY as concerns latitude, longitude and earth tides. The latitude observations began in August 1957, the time service and longitude observations were started in October 1957, the observations of earth tides began at the end of September 1958. The number of Talcott star-pairs observed by the station was 1860 up to October 1958. 2590 star transits have been recorded with the two Zeiss instruments. The staff of the station also takes part in observations of "sputniks".

Card 2/3

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"

Latitude Station of the Polish Academy of Sciences at Borowiec POL/26-59-1-1/20

The scientific staff of the station at present consist of: Director: Professor Doctor J. Witkowski; Head of the time service: Docent, Doctor F. Koebcke, Associates: Doctor S. Andruszewski, Master of Sciences J. Dobrzycki (Latitude), Doctor H. Hurnik. Assistants: Master of Sciences M. Dobrzycka (Latitude, gravity meter), J. Domiński (Time service), J. Moczko (Time service), S. Nowak (Latitude, pendulums). The decision of building this latitude station was taken at the Latitude Conference held in Moscow in November 1949 (proposal of Professor A. J. Orlov, Head of the Latitude Service of the USSR). There are 18 photographs, 3 graphs and 1 diagram.

ASSOCIATION: Stacja szerokościowa Polskiej akademii nauk w Borowcu (Latitude Station of the Polish Academy of Sciences at Borowiec)

SUBMITTED:

October 3, 1958

Card 3/3

P/002/60/000/003/001/003 D001/D101

AUTHOR:

Witkowski, Józef

TITLE:

Earth crust tidal motions and their investigations at the PAS astronomical latitudinal station in Borowiec

near Poznań

PERIODICAL:

Nauka Polska, no. 3, 1960, 33-43

TEXT: In this article the author outlines the scope of investigations carried out at the Astronomiczna Stacja Szerokościowa Polskiej Akademii Nauk (Polish Academy of Sciences, Astronomical Latitudinal Station) in Borowiec organized in 1957. Coordinates of this station are: 52 16 38"N-10 08 18.4"E [Abstracter's note: There is an obyious mistake in the longitude coordinate. It should read 17 08 18.4"]. It is one of 33 stations of this type in existence and recorded in an official index issued by the Międzynarodowa Asocjacja Geodezji (International Geodesy Association) as a gravimetric and pendulum station. (There is also another astronomical observation station in Józefosław near Warsaw, a branch of the Polytechnic Institute in

Card 1/4

P/002/60/000/003/001/003 D001/D101

Earth crust tidal motions ...

Warsaw, but it is not mentioned in the official register). In the introductory part of this article, the author discusses problems connected with earth rotation and the phenomenon of earth crust tidal motions. The latter, a new branch of geophysics, was developed in western countries in the second part of the XIX century; in Poland investigations in this field commenced only very recently. Best known and observed symptoms of earth crust tidal motions are: (1) deviation of the plummet line in relation to the earth's crust; (2) deviation of the plummet line in relation to the world axis [Abstracter's note: An obvious misprint; it should read "earth's axis"]; (3) gravitation forces intensity fluctuations; (4) the decrease of the oceans' tidal amplitude. Less precisely elucidated are the earth crust elastic tension forces and the tides in underground water reservoirs. Further, the author points out the importance of an accurate knowledge of gravitation forces fluctuations from a practical point of view i. e., for gravimetrical prospecting. The station in Borowiec is equipped with water-tight clock- and pendula cellars, two pavillions with transit instruments and two pavillions with zenithal telescopes. At the astronomical section,

Card 2/4

P/002/60/000/003/001/003 D001/D101

Earth crust tidal motions ...

time and latitudinal service is maintained and at the geophysics section observations of gravitation force fluctuations and plummet line deviation at right angle directions are carried out. Gravitation forces fluctuation is estimated by the Askania GS 11 No 110 recording gravimeter, sensitive to 40 µgal/cm, lent by Professor T. Professor T. Colczak, director of the Instytut Geofizyki i Geodezji PAN (PAS Geodezak, director of the Instytut Geofizyki i Geodezji PAN (PAS Geodezak, director of two horizontal pendula of the Lettau-type placestimated by means of two horizontal pendula of the Lettau-type placed in a 10 m deep cellar. Registration, which commenced in 1958, is carried out continuously in 30 day cycles. Following the recommendations of the earth crust tidal motion committee (Doodson, Lecolazet Pertsev), the recorded graphs are evaluated by a harmonic analysis and sent to the International Geophysical Year Center. Results of months investigations were presented at the Trieste Symposium in months investigations were presented at the Trieste Symposium in 1959. From compiled gravimetrical investigation results, a suggestion emerges that a 2 - 30 phase shift of earth crust tidal motion takes place. The scientist Paryiskyi expressed the opinion that the

Card 3/4

Earth crust tidal motions...

P/002/60/000/003/001/003 D001/D101

earth's rotation retardation of 0.001 sec/100 years is to some extent influenced by the earth crust tidal motion.

ASSOCIATION:

Polska Akademia Nauk (Polish Academy of Sciences).

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WITKOWSKI, Jozef

Influxes of the earth crust and their research at the Astronomical Latitude Station of the Polish Academy of Sciences in Borowiec near Poznan. Nauka polska 8 no.3:33-43 Jl-S 160.

1. Czlonek korrespondent Polskiej Akademii Nauk, Warszawa.

WITKOWSKI, J.; OLPINSKA-WARZECHOWA, K.

A list of scientific works of prof. Wladyslaw Smosarski. Przegl geofiz 6 no.3:213-216 '61.

P/002/63/000/001/001/001

AUTHOR:

Witkowski, Jozef

TITLE:

The /Polish/ Astronomical Research Office.

PERIODICAL: Nauka Polska, no. 1 (43), 1963, 45-56.

TEXT: Until its hoped-for COA /Centralne Observatorium Astronomiczne, Central Astronomical Observatory/ becomes a reality, PAN /Polska Akademia Nauk, Polish Academy of Sciences/ has created, in 1937 Zaklad Astronomii (Astronomical Research Office) (Prof. Jozef WITKOWSKI, Director). The office comprises the existing Astrophysics Laboratory I in Torun, Astrophysics Laboratory II in Warsaw, as well as the Laboratory of Astronomical Astronomical Mechanics with its ASS /Astronomicana Stacja Szerokosci, Astronomical Latitudinal Station/ in Borowiec (referred to as the ASS throughout the article). Its tasks are to pursue the realization of the COA and to direct the research of its institutions in the area of astrophysics, in the investigation of the physical state and chemical composition of the stars and interstellar matter in our and other galaxies, from the standpoint of evolution; and in the area of astrometry and celestial mechanics, in investigating the earth's rotational motion, cataloguing the faint stars, mechanics of the solar system, and other investigations requiring special care.

Card 1 of 3

P/002/63/000/001/001/001

The /Polish / Astronomical

From 1957 to 1961 the office managed to acquire from Zeiss Schmidt 60/90 cm projection telescope (placed at the Observatory in Piwmice until COA is ready); a zenith telescope, two Lettau pendulums, and three quartz clocks (for ASS); a 2-m diameter mobile parabolic telescope, 127-Mcs and 32-Mcs interferometers and a logarthmic-periodic interferometer, all of own special design (for Lab. I); and a 35-cm reflector and photoelectric photometer (for Lab. II).

In the Astrophysics Laboratory I (director: Prof. W. Iwanowska) research is being carried out in spectroscopy and stellar and radio astronomy on stellar populations, stars! magnetic fields, physics of comets, and radiowave radiation of the sun, as well as organized fundamental photometric determinations (Krakow).

The Astrophysics Laboratory II (director: Prof. W. Zonn) has been concentrating primarily on complex studies of interstellar medium (polarization, absorption, magnetic fields in interstellar space), with emphasis on the observed and theoretical problem of interstellar polarization of the stars! light. Other studies here cover gases in interstellar space, measurements of brightness of some stars, and, together with the Zaklad Geofizyki (Geophysics Research Office) of PAN, studies on the diffusion of light (sun) through diffusing media (clouds).

Card 2 of 3

P/002/63/000/001/001/001

The /Folish / Astronomical

The Laboratory of Astrometry and Celestial Mechanics with its ASS (director: Prof. J. Witkowski) carries out investigations on the location of the earth's rotational axis; on the motion, period, and variability of the earth's spin; and on the problem of the earth's crust flows under the gravitational effect of the sun and the moon. Vertical component measurements commenced in 1958 are submitted to the Moscow and International Data Centers.

The Astronomy Research Office is responsible for the arrangement of cooperative national projects and the extensive participation of Polish astronomy on the international level, as well as for the many publications of its workers.

ASSOCIATION: Director, Zaklad Astronomii (Astronomy Research Office) and of Pracommia Astrometrii i Mechaniki Nieba (Laboratory of Astrometry and
Celestial Mechanics), including the Astronomiczna Stacja Szerokowosciowa (Astronomical Latitude Station) in Borowiec. Editor: Acta
Astronomica.

Card 3 of 3

WITKOWSKI, Jozef, Professor

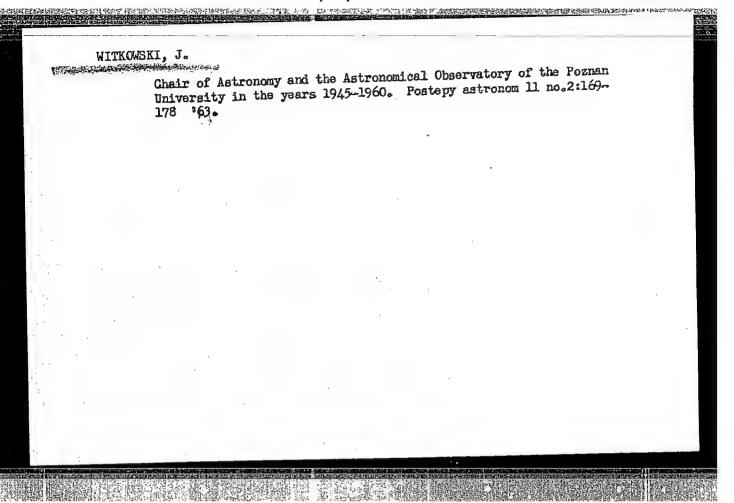
Work carried out by the Research Center of Astronomy. Review Pol Academy 8 no.2:53-57 Ap-Je *63.

1. Corresponding member, Polish Academy of Sciences, Head, Research Center of Astronomy, Poznan, Sloneczna 36.

WITKOWSKI, Jozef, prof., (Poznan, ul. Sloneczna 36)

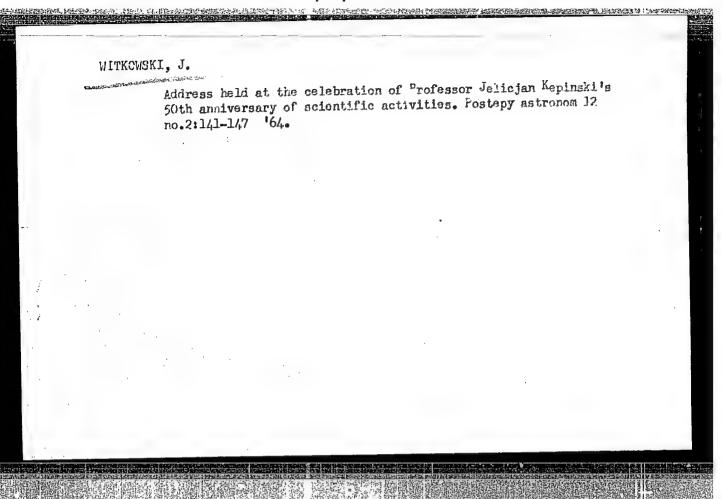
Astronomical Laboratory. Nauka polska 11 no.1:45-56 Ja-F '63.

l. Czlonek korespondent Polskiej Akademii Nauk, Kierownik Zakladu Astronomii Polskiej Akademii Nauk, Warszawa, Aleje Ujazdowskie 4.



WITKOWSKI, J. (Howy Targ)

On a characterization of the Euclidean sphere. Annales Polmath 13 no.2:121-127 '63.



Carogody: Celtivated Plants, Podder Grasses and Roots. AD3. JOUR : Ref Zimm-blulogina, he. 5 (1939, No. 10 580 Witkowski, Karol Januaz RORTIN Inst. of Fortillizers and Agric. Study of the Possibilities of Using Rape as THIST: TITLE . Roughage and for Seeds. Wydawn. wlasno. Inst. uprawy nawozenia i orig. Pub.: glaboznawatwa, 1957, No.61, 29-41 At the institute of Fertilizers and Agricul- ! ture in 1943-1944 and then in 1952-1955 at BSTRACT : experimental fields in Celesin and Pawlovic in Poland, the possibility of using one single winter rape planting for roughage and seeds was studied. It was established that cutting the green mass of the rape produces considerable weakening of plant viability principally through the incidence of disease. The seed o thut was cut by 24-39%, the absolute weight 1/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"

M-4Commercial, Oloaccous, POLAND / Cultivated Plants. Sugar Bearing. : Ref Zhur - Biologiya, No 2, 1959, No. 6358 Abs Jour : Witkowski, Karol Janush; Hoffmannova, Anna Muthor : Comparative Study of 4 Winter Rape Varieties Inst with Splitting and Non-Splitting Legumes Under Various Ecological and Geographical Conditions Title Depending on the Time of Crop Harvesting : Wydawn wlasne, Inst. uprawy, nawozenia i gleboznawstwa, 1957, No 61, 86-94 Orig Pub : It was found during the field experiments, which were carried out at agricultural experi-Abstract mental stations, situated under various soilclimatic conditions in 1952-1953, that when the crop is harvested during the period of

Card 1/2

POLAND / Cultivated Plants. Commercial, Oleaceous, Sugar Bearing.

M-4

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6358

overripening the yield diminishes due to the dropping of seeds. Non-splitting Gurchanskiy and Kastor varieties did not show a higher resistance against splitting or fruit in comparison with splitting varieties (Slenskiy and Sobutkovskiy). -- A. M. Smirnov

Card 2/2

103

POLAND / Cultivated Plants. Technical.

M-5

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Abs Jour

: Ref Zhur - Biologiya, No 2, 1959, No. 6360

Author

: Witkowski, Karol Janusz

Inst Title : Not given : Time of Summer Rape Sowing

Orig Pub

: Wydawn. wlasne, Inst. uprawy, nawozenia i

gleboznawstwa, 1957, No 61, 102-108

Abstract

: To determine the optimal time of sowing 29 field experiments were carried out in various soil-climatic zones of Poland in 1946-1953. The highest yields were obtained with sowings which took place during the period between April 5th and May 5th. A considerable decrease of yield was observed in the case of later sowings. The conclusion is drawn that the

Card 1/2

Abs Jour

: Ref Zhur - Biologiya, No 2, 1959, No. 6360

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| Polska, | Witkowski, no date of | Ryszard (Eng.): publication, p. | "Radzieckie Smiglowce," 5. | (Soviet Helicopters), | Skrzydlata |
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"The passenger must be seated comfortably." p. 24
(Skrzydla I Motor, Vol 8 No 2 Jan 53 Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Uncl

在通知的,他也就是一些"多",1904年,在我们是一个的人,这个人的人,这个人的人的人,这个人,这个人,他们也是这种的人,他们也是这种人的人,这个人,他们也是

WITKOWSKI, R.

Position lights of airships. p. 344. (SKRZYDLATA POLSKA, Vol. 10, No. 22, May 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

WITKONSKI, R.

"Atomic Energy." (To be Contd.) P. 520. (SKRZYDLATA POLSKA, Vol. 10, No. 33, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955 Uncl.

WITKOWSKI, R.

"Atomic Energy. 2." (To be Contd.) P. 542. (SKRZYDLATA POLSKA, Vol. 10, No. 34, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955 Uncl.

WITKOWSKI, R.

"Atomic Energy. 3." (To be Contd) P. 551. (SKRZYDLATA POLSKA, Vol. 10, No. 35, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 4, No. 1, Jan. 1955 Uncl.

WITKOWSKI, R.

"Atomic Energy." 4. (To be Contd.) P. 564. (SKRZYDLATA POLSKA, Vol. 10, No. 36, Sept. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955 Uncl.

WITKOWSKI, R. "Atomic Energy. 5." (To be Contd.) P. 580. (SKRZYDLATA POLSKA, Vol. 10, No. 37,

SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 4.

No. 1, Jan. 1955 Uncl.

Sept. 1954, Warszawa, Poland)

WITKOWSKI, R.

"Atomic Energy. 6. " (Conclusion) P. 596, (SKRZYDLATA POLSKA, Vol. 10, No. 38,

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 1, Jan. 1955 Uncl.

Sept. 1954, Warszawa, Poland)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"

WITKOWSKI, R.

To Krynica in a helicopter.

P. 6. (Skrzklata Polska, Vol. 13, no. 13, Oct. 1957, Werszawa, Poland)

MONTHLY INDEX OF LAST FUROPEAU ACCESSIONS (EEAI) LC. Vol. 7, no. 2, FEBRUARY 1958

1(3)

PHASE I BOOK EXPLOITATION

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Witkowski, Ryszard, Engineer, Janusz Wojciechowski, Engineer, and Pavel Elsztein

Émiglowce (Helicopters) Warsaw, Wyd-wa komunikacyjne, 1958. 320 p. 3,140 copies printed.

Ed.: Michal Goszczyński; Tech. Ed.: Alfred Malicki.

PURPOSE: This book is intended for the general reader interested in developments in aviation.

COVERAGE: This book describes the status of helicopter development up to 1957. Design, production, and uses of helicopters as well as their special flight characteristics are discussed. Special attention is given to the description of Polish helicopters. Names of those who have contributed to the development of Polish helicopters are mentioned. Future prospects in the industry are touched upon. The book contains the technical specifications and photos of 44 of the world's outstanding helicopters. No references are given.

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P/532/62/000/017/002/004 D237/D308 Witkowski. Ryszard, Engineer AUTHOR: A general method of determining the basic perfor-TITLE: mance of a helicopter Warsaw. Instytut Lotnictwa. Prace, no. 17, 1962, SOURCE: TEXT: The most important parameters of the performance of a helicopter are: a) the ceiling, b) the hovering ceiling, c) the hovering ceiling with ground effect, d) vertical rate of climbing, e) vertical rate of climbing with forward speed. The author presents his semi-empirical method for determining the above parameters. Theoretical and empirical formulas used in the investigation of the ground-effect lead to an expression for the ratio of lifts (with and without ground-effect) in terms of dimensionless ceilings and forward velocities, and the final formula includes some constructional parameters, such as angular velocity of the rotor. The curves obtained from this formula can serve as a basis for plotting the data Card 1/2

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| during fligh | t, and of two methods used for obtaining these data, | |
| i.e. method | of constant weight and method of constant power, the | |
| latter is use | ed. The procedure for obtaining initial parametric | |
| relationship | s is illustrated and is followed by the derivation of | |
| rormulas ror | b), d) and e). Numerical examples are given. Finally, | |
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| the author d | of a helicopter and considers tropical conditions in a | |
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| the author deperformance of mumerical examples at mospherical | of a helicopter and considers tropical conditions in a | and and discontinuous managements and an artists and an artists and artists and artists and artists and artists and artists are artists and artists and artists are artists and artists are artists and artists are artists and artists are artists are artists and artists are artists ar |
| the author deperformance of numerical examples of the second of the seco | of a helicopter and considers tropical conditions in a ample. All relationships are derived for the standard sea-level conditions, i.e. ho = 0, po = 760 mm Hg, There are 16 figures and 10 tables. | |
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| the author deperformance on numerical examples of the state of the sta | of a helicopter and considers tropical conditions in a ample. All relationships are derived for the standard sea-level conditions, i.e. ho = 0, po = 760 mm Hg, There are 16 figures and 10 tables. | |
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| the author deperformance on numerical examples of the state of the sta | of a helicopter and considers tropical conditions in a ample. All relationships are derived for the standard sea-level conditions, i.e. ho = 0, po = 760 mm Hg, There are 16 figures and 10 tables. | |

WITKOWSKI, Ryszard, mgr inz.

Length of the safe start of a helicopter. Techn lotn 19 no.5:113-119 My 164.

WITKOWSKI, Rafal, kapican marynarki, mgr.

U.S. Naval Institute Proceedings - 1961. Przegl merski
15 no.4:68-78 Ap '62.

WIECKOWSKI, Madyslaw; WITKOWSKI, Slawomir

Chemical methods of analysis of nucleic acids. Postepy
biochem. 2 no.1:91-105 1956.

1. Zaklad Chemii Fizjologicznej Akademii Medycznej w Lodzi
Kierownik: prof. dr. B. Filipowicz.

(NUCLWIC ACIDS, determination,
analytic methods, review (Pol))

FILIPOWICZ, Bronislaw; PILEK, Kazimierz; WITKOWSKI, Slawomir; GOLEWSKI, Stanislaw

Nucleic acids in the blood. I. Content of nucleic acids in human blood serum. Polski tygod.lek. 15 no.15:537-538 ll Ap '60.

(NUCLEIC ACIDS blood)

WITKOWSKI, Slawomir; WITKOWSKA, Zofia; FILIPOWICZOWA, Janina

A micromethod for the determination of blood pyruvic acid, Polski tygod, lek, 16 no.22:828-830 29 My 161.

1. Z Katedry Chemii Fizjologicznej A.M. w Lodzi; kierownik: prof. dr B. Filipowicz i z Katedry Chemii Ogolnej A.M. w Lodzi; kierownik: z-ca prof. mgr J. Skarzynski.

(PYRUVATES blood)

CIEGROWSKI, Janusz; WITKOWSKI, Stanislaw

Studies on the phenomenon of hanging of granular loose chemical products. Przem chem 41 no.2:91-95 F '62.

1. Zaklad Inzymierii Chemicznej, Politechnika, Warszawa

WITKOWSKI, Stanislaw, A., Mgr.inz.

The weight and load capacity of a passenger automobile. Techn motor 11 no.11:361-370 N 161.

WITOSZYNSKI, Stanislaw, mgr inz.

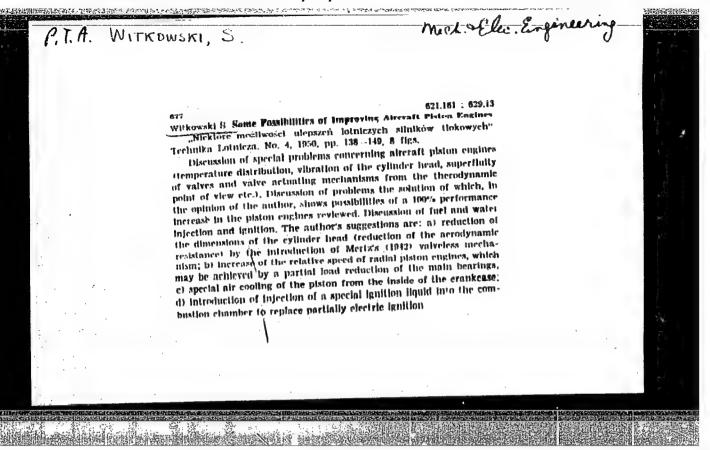
Remarks on colors of automobiles. Tech motor 13 no.9:307-310 S'163.

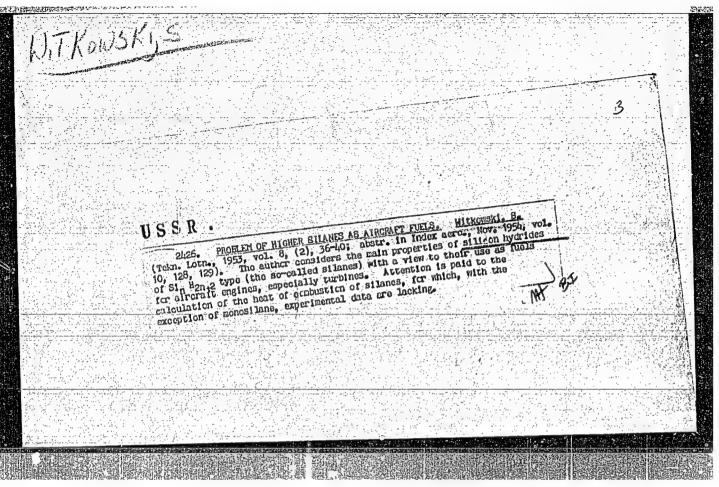
WITKOWSKI, Slavomir

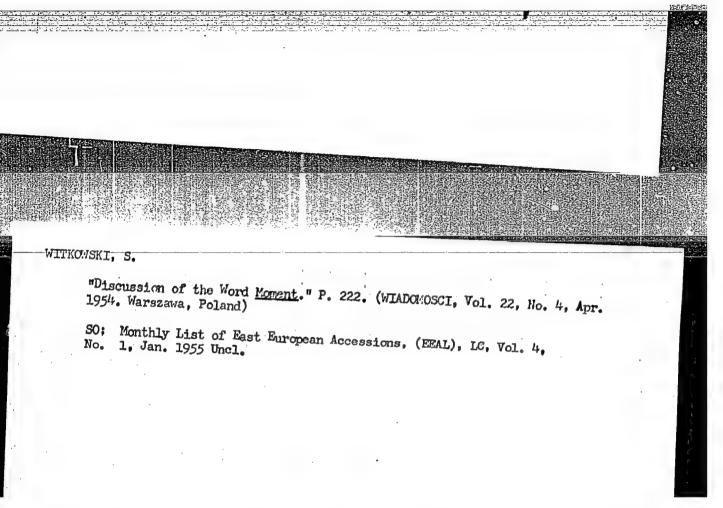
Influence of diphtheria toxin on the phosphorylation of thiemine. Arch. immun. ther. exp. 12 no.1:1-7 *64

1. Department of General and Physiological Chemistry, School of Medicine, Lodz.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"







WITLOWSKI, S.; CIBOROWSKI, J.

Concerning the drying of sawdust in a fluidic phase. p. 102.

PRZEMYSL DRZEVNY. Centraine Zarazady Przemyslow: Drewnego, Mablarskiego, i Lesnego i Stowarzyszenie Inzynierow i Technikow Lesnictwa i Drzewnictwa. Warszawa, Poland, Vol. 9, No. 4, Apr. 1958.

Monthly List of East European Accession (EEAI), IC, Vol. 8, No. 9, September, 1959. Uncl.

CIBOROWSKI, Jamusz; WITKOWSKI, Stanislaw

Studies on the phenomenon of the hanging of granular beds. Przem chem 41 no.2:91-95 F 162.

1. Zaklad Inzynierii Chemicznej, Politechnika, Warszawa.

WITKOWSKI, Stanislaw

Fluidizing drying chambers. Przem drzewny 13. no.4:28-31 Ap 162.

L 12290-63 Pi-L RM/WW 8/081/63/000/005/047/075 AUTHOR: Witkowski, T. CHECK SERVICE TITLE: Production of aluminum n-propylate for organic syntheses, especially for synthesis of aluminum calts of amino acids PERIODICAL: Referativnyy zhurnal, Khimiya, no. 5, 1963, 422, abstract 5N63 II (Spodzielnia Pracy Farmaceutyczno Chemiczna "Ziololek", Polish patent 45729. 9.03.62) TEXT: Ten g of metallic aluminum and some solution of (C3H2O)3Al (reaction catalyst) are added to 100 g of anhydrous CoHoOH and the mixture is heated to boiling. After beginning of an intense separation of H, the heating is discontinued. In the case of an extremely violent reaction the flask is cooled with water. After dissolution of all the Al, the excess C3H7 is distilled off. Eighty g of 99% C2H50H is added to the residue and the mixture boiled for 15 minutes. The mixture, together with the residue of Al(OH)3. is poured into a vessel for decanting, covered and left to stand for 48 hours. One hundred forty g of the clear colorless liquid, containing 0.065 g of Al in 1 g of solution is poured off. One hundred g of this liquid is added drop by drop into an agitated

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| | nivoys conform; 6) Polish wines are immature and history steadily improving blending by t possess, nevertheless, a satisfactory steadily improving blending ar flavour. |
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WITKOWSKI, T.; DZIUBE, S.

Observations on quantitative changes intwo mesofauna components (Nematoda, Acarina) in cultivated soil. p. 163

EKOLOGI POLSKA. SERIA B. (Polska Akademia Naik. Komitet Ekologiezny Warszawa, Poland. Vol. 5, no. 2, 1959

Monthly list of East European Accession (EEAI) LC Vol. 9, no. 1, Jan. 1960

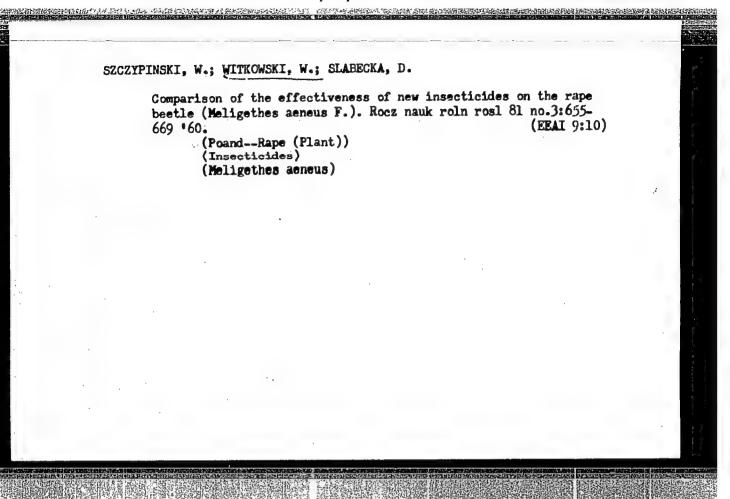
Uncl.

Vartical distribution of nematodes in the soil of three different observed field cultures. Nauki matem przyrod Torun no.3:61-101 258. 1. Zaklad Ochrony Przyrody i Ekologii, Uniwersytet im. M. Kopernika, Torun.

WITKOWSKI, W.

"Oilseed plant sawfly." (p. 105) NOWE EOLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne)
Warszawa, Vol 2, No 11, Nov. 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954



SZCZYPINSKI, W.; WITKOWSKI, W.; SLARECKA, D.

Research on the dusts of azotox made on various carriers. Rocz nauk roln rosl 82 no.1:219-249 '60. (EZAI 10:7)

(Trichlorobischlorophenylethane)

(Meligethes aeneus) (Poland--Plants) (Rape)

WITKOWSKI, Witold

Effect of antibacterial drugs on the level of 11-hydroxysteroids in the blood serum in pulmonary tuberculcais patients. Preliminary communication. Gruzlica 31 no.6:661-664 Je*63.

1. Klinika Ftizjatryczna AM, Poznan.

WITKOWSKI, Witold; KADLUBOWSKI, Wiktor; KARCZEWSKI, Benedykt

Studies on the chemical control of the alder tree weevil

(Cryptorrhynchus lapathi L.) Col. Curc. Prace naukroln

1 lesn 17 no.3:585-608 '65.

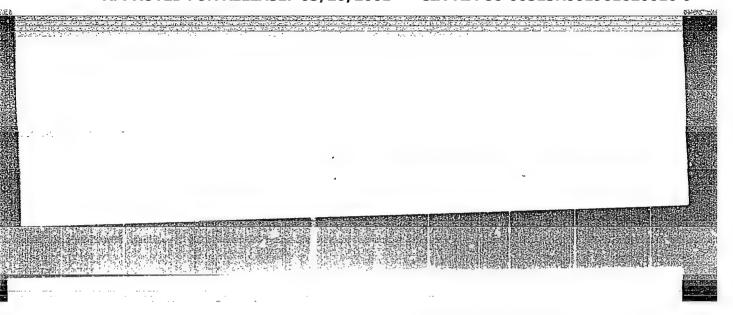
1. Institute of Plant Protection, Poznan, and Department of Forest Protection of the School of Agriculture, Poznan.

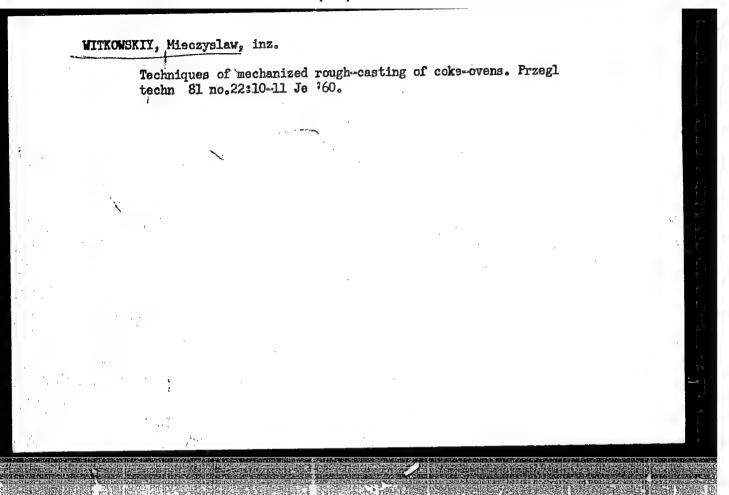
WITKOWSKI, Z.

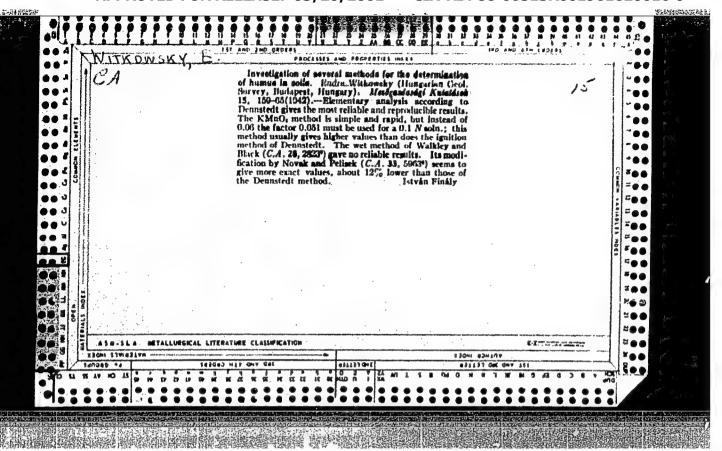
WITKOWSKI, Z. Consideration concerning W. Gallias' article "Improvement of the Water Economy in the Cigarette Tissue Department." p. 275

Vol. 12, no. 9; Sept 1956 PRZEGIAD PAPIERNICZY TECHNOLOGY Lodz, Poland

So: East European Accession Vol. 6, no. 2, 1957







WITMAN, R.; KELM, N.

Contributions to the synthesis of 1-N-butyl scopolammonium bromide (Scobutil, Buscopan). p. 85.

ReVISTA DE CHIMIE. Bucuresti, Rumania. Vol. 10, no. 2, Feb. 1959.

Sept.

Monthly List of East European Accessions. (EFAI), LC. Vol. 8, no. 9,/1959. Uncl.

WITORT, A.; TRECHCINSKI, R.

"Utilizing the District Telephone Network for Radiophonic Facilities of Villages." P. 58. (WIADOMOSCI TELEKCHUNIKACIJNE, Vol. 23, No. 3, Mar. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL), IC. Vol. 4. No. 1, Jan. 1955 Uncl.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"

WITORT, A.

"Aerial Lines Supplying Power to Remote Radio Substations." P. 134.

"Protection of Rural Radiophonic Lines. Tr. from the Russian." P. 136.

"Wave Guides in the Technique of Superhigh Frequency. Tr. from the Russian."

P. 138. (WIADOWOSCI TELEKCMUNIKACYJNE, Vol. 23, No. 6, June. 1954, Warszawa, Poland.)

SO: Monthly list of East European Accessions. (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

WITORT, A.

"Centralization of the Services of Radio Stations." P. 176. (WIADOMOSCI TELEKCAUNIKACYJNE, Vol. 23, No. 8, Aug. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions. (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

WITORT, A.; WEGLEWSKI, J.

Up-to-date development of radiophony in Poland and guidelines for the period 1954-1965.
p. 194. (WIADOMOSCI TELEKOMUNIKACIJNE, Warszawa, Vol. 23, No. 9/10, Sept./Oct. 1954)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"

WITORT, A.

Laying feeders for radio networks and telephone lines on the same pole. p.36. (WIADOMOSCI TELEKOMUNIKACYJNE, Warszawa, Vol. 24, No. 2, Feb. 1955)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4, No. 6, June 1955, Uncl.

WITORT, A.

Communications yesterday, today, and tomorrow. p. 3.

RADIOAMATOR. Warszawa, Poland Vol. 9, no. 1, Jan. 1959.

Monthly List of East European Acessions Index, (EEAI), LC, Vol. 8, no. 6. June 1959 Uncl.

WITURT, A.

Low-frequency amplifier with a high power-increasing quality . p. 56

WLADOMOSCI TELEKUMUNIKACYJNE vol. 25, no. 3, Mar. 1956 Warszawa, Poland

so. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Uct. 1956

WITORT, A.

The power of acoustical amplifiers.

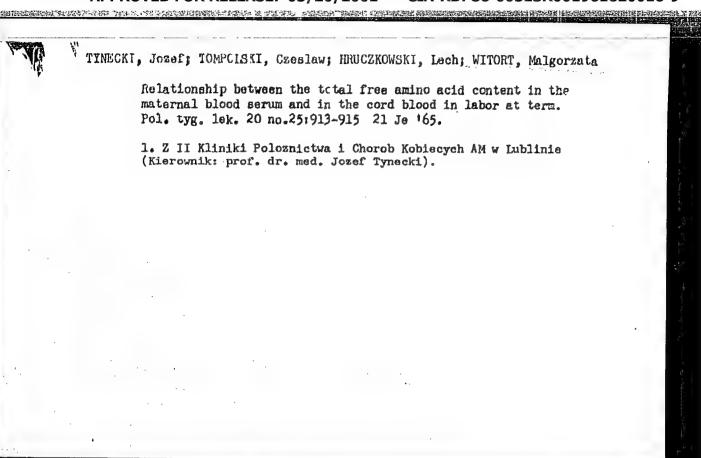
P. 18 (RADIOAMATOR) (Warszawa, Poland) Vol. 7, No. 12, Dec. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

WITORT, Aleksander

Aleksander WITORT, "Network of Wire Diffusion R ceiver Equipment," <u>Tele-Radio</u>, Vol. II, No. 1, Warsaw, January 1957, pp I-6.

JPRS/NY-L-449, 12 Nov 58, Uncl. fsg



WITORZENC, Julian; IZDERSKI, Marian.

CHARLEST THE STATE OF THE STATE OF

Case of porphyria. Polski tygod. lek. 10 no.44:1436-1438 31 Oct 55.

 Z II Kliniki Chorob Wewnetrsnych A.M. w Lodsi; kierownik: prof. dr. med. J.Jakubowski. Lods, II Kl. Chor. Wewn. A.M. (PORPHYRIA, case reports)

WITORZENC, Julian

Visceral lupus erythematosus. Polski tygod. lek. 11 no.24:1074-1077

l. Z II Elin. Chor. Wewn. Akad. Med. w Lodzi; kier. prof. dr nauk med. Jerzy K. Jakubowski. II El. Chor. Wewn. Lodz. (LUPUS EHYTHEMATOSUS, case reports, visceral (Pol))

MUSIAL, Wlodzimierz; KOLODZIEJSKA, Helena; WITOHZENC, Julian

A syndrome of myelosclerosis associated with leukoerythroblastic anemia. Polskie arch. med. wewn. 29 no.2:240-243 1959.

1, 2 II Kliniki Chorob Wewnetrznych A.M. w Lodzi Kierownik: prof. dr. med J.Jakubowski. Adres: Lodz, ul. Sienkiewicza 51.

(ANEMIA, LEUKOWNYTHROBIASTIC, case reports.

(Pol))

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R001961620016-9"

KOLODZIEJSKA, Helena; WITORZEMC, Julian

Osseous changes in plasma-cell leukemia. Polskie arch. med. wewn.
29 no.2:268-271 1959.

1. Z II Kliniki Chorob Wewnetrznych A. M. w Lodzi Kierownik: prof.
dr fl. med. J. Jakubowski, Adres: Lodz, ul. kosciuszki 29, m. 2.
(INUKEMLA, pathol.
plasma-cell leukemia, bone changes (Pol))
(BONE AND BOMES, pathol.
in plasma-cell leukemia (Pol))

WITORZENC, J.

Complex clinical picture of arteritis nodosa. Report of a case. Kardiol. polaka 4 no.4:321-324 '61.

1. Z II Kliniki Chorob Wewn. AM w Lodzi Kierownik: prof. dr J. Jakubowski. (PERIARTERITIS NODSA case reports)

WITORZENC, Julian

On diagnostic difficulties in Cushing's syndrome without manifest obesity. Pol. tyg. lek. 17 no.12:443-445 19 Mr '62.

1. Z II Kliniki Chorob Wewnetrznych AM w Lodzi; kierownik: prof. dr med. J. Jakubowski.

(CUSHING'S SYNDROME diag)

